

Title (en)

Device for producing metal rings.

Title (de)

Vorrichtung zur Herstellung von metallischen Ringen.

Title (fr)

Dispositif pour produire des anneaux métalliques.

Publication

EP 0672476 A1 19950920 (EN)

Application

EP 95101088 A 19950126

Priority

JP 2267394 A 19940221

Abstract (en)

A metal ring producing device comprises a rigid roller (53) and a resilient roller (31). The resilient roller has an outer cylindrical portion covered with an elastic annular member (37). The resilient roller is positioned near the rigid roller so that a metal plate member (79) can be inserted between the resilient and rigid rollers. The resilient roller is rotated in a given direction. The elastic annular member is formed with equally spaced recesses (41,43). Each recess has a concave bottom surface which is shaped in conformity with an outer surface of the metal ring produced around the rigid roller. A ring removing mechanism (55) is further employed which pushes one end of the metal ring and thus thrusts the metal ring off the rigid roller when the resilient roller stops at a position wherein one of the recesses is registered with the rigid roller. <IMAGE>

IPC 1-7

B21D 5/14

IPC 8 full level

B21D 5/14 (2006.01); **B21D 53/16** (2006.01)

CPC (source: EP KR US)

B21D 5/14 (2013.01 - KR); **B21D 5/146** (2013.01 - EP US); **B21D 51/10** (2013.01 - KR); **B21D 53/16** (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)

DE GB

DOCDB simple family (publication)

EP 0672476 A1 19950920; **EP 0672476 B1 20011121**; DE 69523969 D1 20020103; DE 69523969 T2 20020404; KR 0163249 B1 19990115; KR 950024819 A 19950915; US 5522245 A 19960604

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